

METHOD AND APPARATUS FOR COMMUNICATION USING PULSE DECODING

ABSTRACT OF THE DISCLOSURE

5 A signal of any physical form corresponding to an information character of an
encoding alphabet, is transmitted as an analog waveform defining a symbol, the waveform
being cyclical at the symbol rate, to a communication channel and then the signal when
received by a receiver is converted to groups of pulses separated by silences, wherein each
group of pulses maps to a count corresponding to a character of the encoding alphabet. The
10 groups of pulses are separated by silences of arbitrary duration which are greater than the
time between individual pulses. The pulses have a pulse rate greater than the frequency of
the symbol. The system permits but does not require communication of relatively narrow
bandwidth signals.

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